

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-087-13  
CALHOUN QUADRANGLE  
132 KENTUCKY  
N3730-W8715/15  
DIAGRAM NJ 16-8  
EVANSVILLE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Daviess, Henderson, Hopkins, McLean  
and Webster Counties, Kentucky

Final adjustment of 1972

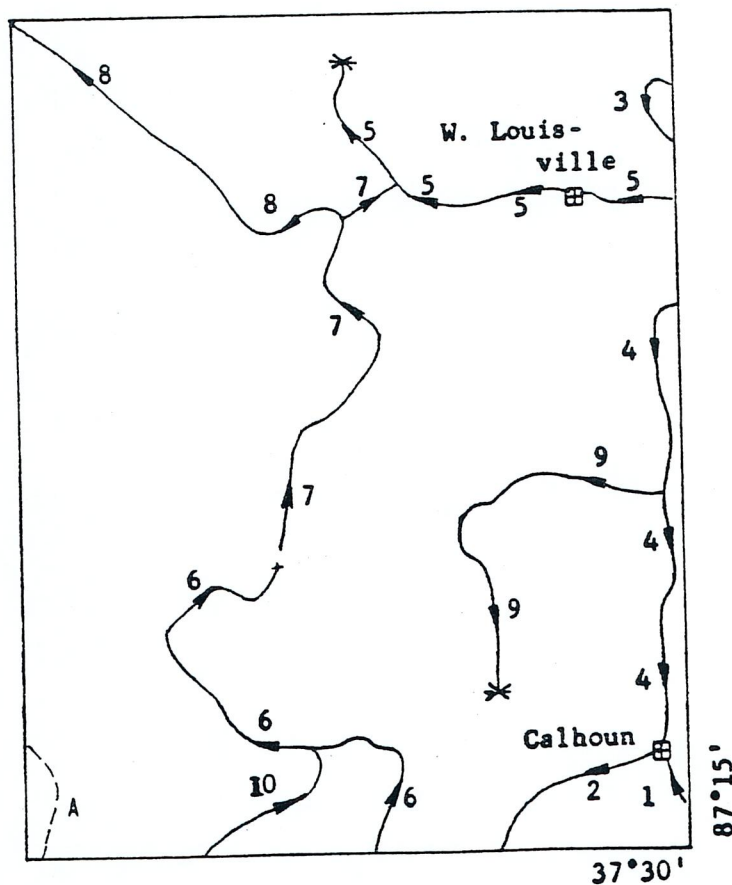
Edition of 1/3/77

PR: CRV/sws

NEWBURGH  
(156 KY.-5 IND.)

SEBREE  
(133)

SUTHERLAND  
(131)



MADISONVILLE  
(104)

NGS (USC&GS) VERTICAL CONTROL DATA

- A. Quadrangle 370871
- \* Tied to Isolated Control

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## ISOLATED BENCH MARKS (By C. W. Goodlove, 1902; Book 9557)

Feet

West Louisville, in front of J. H. Elder's store; 2 ft above platform; at left of main entrance; standard tablet stamped "462 LOUISVILLE"	461.211
Cleopatra, in base of chimney at S. end of residence of C. L. Short; 2 ft above ground; standard tablet stamped "498 LOUISVILLE"	496.824
Calhoun, in top of limestone belt course (water table) around courthouse, 2 ft S. of main entrance; standard tablet stamped "397 LOUISVILLE"	396.618
Beech Grove, at McLean County Bank building; 4 ft from NW. corner; 2 ft above ground; in W. wall; standard tablet stamped "408 LOUISVILLE" (Reported destroyed, 1950)	406.907
Euterpe, 0.2 mi E. of Cash Creek Baptist Church; at residence of Walter Scott; in N. side of base of chimney; standard tablet stamped "468 LOUISVILLE"	466.837
Onton, in base of outside chimney of post office; standard tablet stamped "478 LOUISVILLE" (Reported destroyed, 1950)	478.914
Ashbyburg, Brown and Luck's Store, 2 ft from SE. corner and 2 ft above ground in E. wall; standard tablet stamped "391 LOUISVILLE" (Reported destroyed, 1950)	390.814

LINE 1.

J. J. Spahr, 1950; Book AV 216

Rumsey, at junction of State Highways 81 and 138; 3 ft S. and 46 ft W. of junction; 12 ft NE. of 8-in cedar tree; in concrete post; standard tablet stamped "TT 57 AS 1950 387"	386.352
Rumsey, at Lock and Dam No. 2, 185 ft from land wall of locks; at NE. corner of office and tool shop; standard U.S.C.E. iron pipe and cap stamped "BM 64"	382.340

LINE 2.

J. J. Spahr, 1950; Book AV 216

"TT 57 AS 1950 387" (Described in line 1)	386.352
Rumsey, 1.7 mi W. of junction of State Highways 81 and 138 at Y-rd. W.; 18 ft N. and 8 ft E. of intersection; 20 ft NE. of center of hwy.; in concrete post; standard tablet stamped "TT 58 AS 1950 387"	386.573



LINE 2 (Cont'd.)Feet

Rumsey, 3.7 mi SW. of junction of State Highways 138 and 81; 5.0 mi NW. of Faith; on NE. corner of SE. concrete wingwall of steel bridge over Cypress Creek; in concrete abutment; standard tablet stamped "159 JJS 1950 381" 380.642

Reference mark, 130 ft N. of tablet; on NE. masonry abutment of bridge; chiseled square 381.78

LINE 3.

J. D. Nikolaus, 1950; Book AV 210

Sorgho, 4.6 mi SW. of, along State Highway 54; 20 ft E. of center of rd.; 6 ft S. of wagon rd. to field; 57 ft NE. of center of grass triangle formed by rd. forks; at edge of bank; in concrete post; standard tablet stamped "64 JDN 1950 482" 482.293

LINE 4.

J. D. Nikolaus, 1950; Book AV 210

Panther, 3.3 mi NW. of, along graveled rd. NW. for 2.3 mi., thence N. along graveled rd. for 1.0 mi to station; 74 ft SW. of center of grass triangle formed by rd. forks; 38 ft SW. of corner fence-post; 50 ft SW. of SW. end of pipe culvert; 41 ft S. of 10-in. walnut tree; in concrete post; standard tablet stamped "66 JDN 1950 404" 403.672

Reference mark, 86 ft NE. of tablet; at NE. end of concrete pipe culvert; chiseled square 402.34

Guffie, 1.6 mi N. of; 105 ft NW. of center of grass triangle formed by rd. forks; 48 ft SW. of SW. corner of frame house; 25 ft W. of 30-in. sycamore tree; 5 ft N. of N. edge of drainage ditch; in concrete post; standard tablet stamped "67 JDN 1950 427" (Reported destroyed, 1951) 427.060

Guffie, 56 ft N. and 26 ft W. of crossroads; 75 ft SW. of SW. corner of grocery store; 30 ft E. of power-transformer pole; 6 ft W. of edge of ditch; in concrete post; standard tablet stamped "68 JDN 1950 433" 432.989

Reference mark, 65 ft N. of tablet; at SW. corner of W. concrete culvert headwall; chiseled square 434.52

Guffie, 2.6 mi S. of, along graveled rd.; 67 ft NE. of Y-rd. forks; 21 ft E. of center of rd.; 5 ft E. of edge of shallow ditch; in concrete post; standard tablet stamped "69 JDN 1950 488" 487.710

LINE 4 (Cont'd.)Feet

Guffie, 3.5 mi S. of, at SW. corner of W. wheelguard of concrete bridge over stream; chiseled square 401.20

"BM 64" (Described in line 1) 382.340

LINE 5.

J. D. Nikolaus, 1950; Book AV 210

West Louisville, 1.1 mi SE. of, along graveled rd.; 24 ft S. and 33 ft E. of Y-rd. NE.; 15 ft E. of 10-in. cedar tree; 4 ft S. of edge of shallow ditch; in concrete post; standard tablet stamped "102 JDN 1950 460" 460.390

U.E., West Louisville, 42 ft NW. of crossroads; at S. end of concrete base to abandoned gas pumps; chiseled square 462.03

West Louisville, 1.0 mi W. of, along State Highway 56; 59 ft S. and 31 ft E. of crossroads; 2 ft W. of power transmission pole along side of fence; in concrete post; standard tablet stamped "103 JDN 383 1950 RESET 1959" 384.560

U.E., West Louisville, 2.0 mi W. of; 25 ft NE. of Y-rd. at SE. corner of bottom concrete step leading to church; chiseled square 419.60

St. Joseph, 2.0 mi NW. of, along State Highway 258; 36 ft W. of E. tip of grass triangle formed by rd. forks; 32 ft SW. of highway sign marker; in concrete post; standard tablet stamped "104 JDN 1950 434" (Reported destroyed, 1952) 433.962

Curdsville, 3.0 mi SW. of, along graveled rd.; 105 ft NE. of N. tip of grass triangle formed by rd. forks; 9 ft NW. of center of rd.; set in N. end of NW. headwall of concrete culvert; standard tablet stamped "105 JDN 1950 380" 380.472

Reference mark, 21 ft SW. of tablet; at SW. end of S. headwall of concrete culvert; chiseled square 380.74

Curdsville, 2.2 mi upstream from, on right bank of Green River; 75 ft from top of river bank; on SW. bank of large slough; 30 ft S. of 12-in. oak tree; standard U.S.C.E. pipe and cap stamped "BM 32" 377.116



1950

LINE 6.

Feet

J. D. Nikolaus, 1950; Book AV 210

Jewel City, 1.6 mi SW. of, along State Highway 281; 12 ft N. and 37 ft E. of crossroads; 3 ft E. of edge of ditch; at SW. corner of cultivated field; in concrete post; standard tablet stamped "93 JDN 1950 383"	383.048
Ashbyburg, 3 ft S. of SW. corner of Baptist Church; 33 ft NE. of SE. corner of store and post office; in concrete post; standard tablet stamped "94 JDN 1950 388"	388.363
Reference mark, 172 ft SE. of tablet; at NW. corner of concrete base of water pump; chiseled square	384.62
Onton, 2.4 mi SE. of, along State Highway 370; 27 ft S. and 20 ft W. of crossroads; 10 ft SW. of W. end of pipe culvert; 2 ft S. of shallow ditch; in concrete post; standard tablet stamped "95 JDN 1950 430"	429.692
Onton, 47 ft N. and 16 ft W. of intersection of State Highways 147 and 370; 2 ft SE. of edge of concrete walk; 3 ft S. of corner of retaining wall at W. step leading to church; in concrete post; standard tablet stamped "96 JDN 1950 461"	460.651
Reference mark, 27 ft NE. of tablet; at SE. corner of first concrete step leading to church; chiseled square	460.21
Onton, 2.0 mi NW. of, along State Highway 370; 5 ft N. and 21 ft E. of crossroads; 6 ft E. of N. end of concrete pipe culvert; at SW. corner of cultivated field; in concrete post; standard tablet stamped "97 JDN 1950 387"	387.106
Reference mark, 37 ft SW. of tablet; at S. end of concrete pipe culvert; chiseled square	386.22
Onton, 2.4 mi NE. of, along State Highway 174; 1.0 mi SE. of ferry over Ohio River; 36 ft N. and 21 ft W. of T-rd. NW.; 2 ft NE. of corner fencepost; in concrete post; standard tablet stamped "98 JDN 1950 389"	388.804
Wrights Ferry, 65 ft from river bank and 40 ft downstream from road leading to ferry; U.S.C.E. standard iron pipe and cap stamped "BM 50"	377.129

1950

LINE 7.

Feet

J. D. Nikolaus, 1950; Book AV 210

"BM 50" (Described in line 6) 377.129

Beech Grove, 0.7 mi E. of, along State Highway 56; at SE. corner of cemetery; 89 ft N. and 30 ft W. of intersection of T-rd. W.; 3 ft W. of edge of bank; about 3 ft higher than centerline of hwy.; in concrete post; standard tablet stamped "106 JDN 1950 RESET 1951 453" 452.592

Reference mark, 18 ft NW. of T-rd. W.; on N. end of concrete pipe culvert; chiseled square 445.05

U.E., Elba, 1.9 mi SW. of; 12 ft N. of junction of State Highway 56 and field rd. S.; at SW. corner of N. headwall of concrete culvert; chiseled square 409.47

Elba, 0.7 mi SW. of, along State Highway 56; 18 ft N. and 21 ft E. of junction of Hwy. 56 and T-rd. NW.; 16 ft NW. of telephone pole; in SE. end of E. headwall of concrete culvert; standard tablet stamped "107 JDN 1950 415" 414.747

Elba, 1.6 mi NW. of, along graveled rd.; 17 ft S. and 20 ft E. of T-rd. NW.; 12 ft SW. of power-bracer pole; 3 ft SE. of edge of shallow ditch; in concrete post; standard tablet stamped "108 JDN 1950 415" 414.702

Reference mark, 36 ft N. of tablet; at E. end of concrete pipe culvert; chiseled square 416.30

Delaware, 1.6 mi E. of, along State Highway 258; 33 ft S. and 60 ft W. of T-rd. S.; 13 ft NW. of graveled rd.; 1 ft E. of fenceline; 51 ft S. of power-transformer pole; in concrete post; standard tablet stamped "109 JDN 1950 435" 434.336

"104 JDN 1950 434" (Described in line 5) 433.962

LINE 8.

J. D. Nikolaus, 1950; Book AV 210

"109 JDN 1950 435" (Described in line 7) 434.336

Delaware, on opposite side of river from; 60 ft downstream from rd. to ferry; 325 ft from top of river bank; 30 ft downstream from wire fence; standard U.S.C.E. iron pipe and cap stamped "BM NO 36" 379.772



LINE 8 (Cont'd.)Feet

U.E., Coraville, 4.8 mi E. of; at SW. corner of S. headwall of concrete culvert; chiseled square 406.67

Coraville, 2.0 mi SE. of; 387 ft SE. of T-rd. NE.; 19 ft NE. of center of rd. to Delaware; 4 ft SE. of fence corner; in concrete post; standard tablet stamped "TT 14 G 1936 454" 453.821

Coraville, 30 ft E. of crossroads; 10 ft SE. of fence corner; 2 ft S. of fenceline; in concrete post; standard tablet stamped "113 JDN 1950 413" 412.211

Reference mark, 265 ft SE. of tablet; at SE. corner of S. headwall of concrete culvert; chiseled square 412.86

LINE 9.

J. D. Nikolaus, 1950; Book AV 210

"68 JDN 1950 433" (Described in line 4) 432.989

Guffie, 2.1 mi W. of, along State Highway 140; 280 ft W. of crossroads; 12 ft S. of center of hwy.; 15 ft E. of center of rd. leading to field; in center of S. headwall of concrete culvert; standard tablet stamped "110 JDN 1950 408" 408.414

Reference mark, 24 ft NE. of tablet; at E. end of N. headwall of concrete culvert; chiseled square 408.45

Beech Grove, 3.9 mi SE. of, along State Highway 136; 24 ft S. and 12 ft E. of T-rd. S.; 13 ft NE. of signpost; in E. end of L-shaped concrete culvert; standard tablet stamped "111 JDN 1950 420" 419.861

Poverty, 54 ft SE. of crossroads; 6 ft NE. of 30-in. oak tree; set in E. end of L-shaped concrete culvert; standard tablet stamped "112 JDN 1950 397" 397.572

Rumsey, 5.1 mi downstream from, 150 ft from river bank; 20 ft upstream from old ferry rd.; on property of W. F. Yankee; standard U.S.C.E. iron pipe and cap stamped "BM 59" 383.055

LINE 10.

J. D. Nikolaus, 1950; Book AV 210

Slaughters, 4.1 mi NE. of, along State Highway 136; 24 ft E. of crossroads; about 95 ft W. of NW. corner of barn; 32 ft NE. of group of mailboxes; at NW. corner of field; in concrete post; standard tablet stamped "100 JDN 1950 419" 418.873



LINE 10 (Cont'd.)Feet

Reference mark, 20 ft S. of crossroads; at SW. end of concrete pipe culvert; chiseled square

418.07

Jewel City, 1.6 mi SW. of, along State Highway 138 to crossroads; 14 ft S. and 50 ft E. of intersection of crossroads; 20 ft NE. of fence corner; and 1 ft N. of fenceline; in concrete post; standard tablet stamped "101 JDN 1950 419 RESET 1952"

418.933

Reference mark, 45 ft E. of tablet; at SE. corner of N. headwall of concrete culvert; chiseled square

411.68

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-087-13  
CALHOUN QUADRANGLE  
132 KENTUCKY  
N3730-W8715/15  
DIAGRAM NJ 16-8  
EVANSVILLE

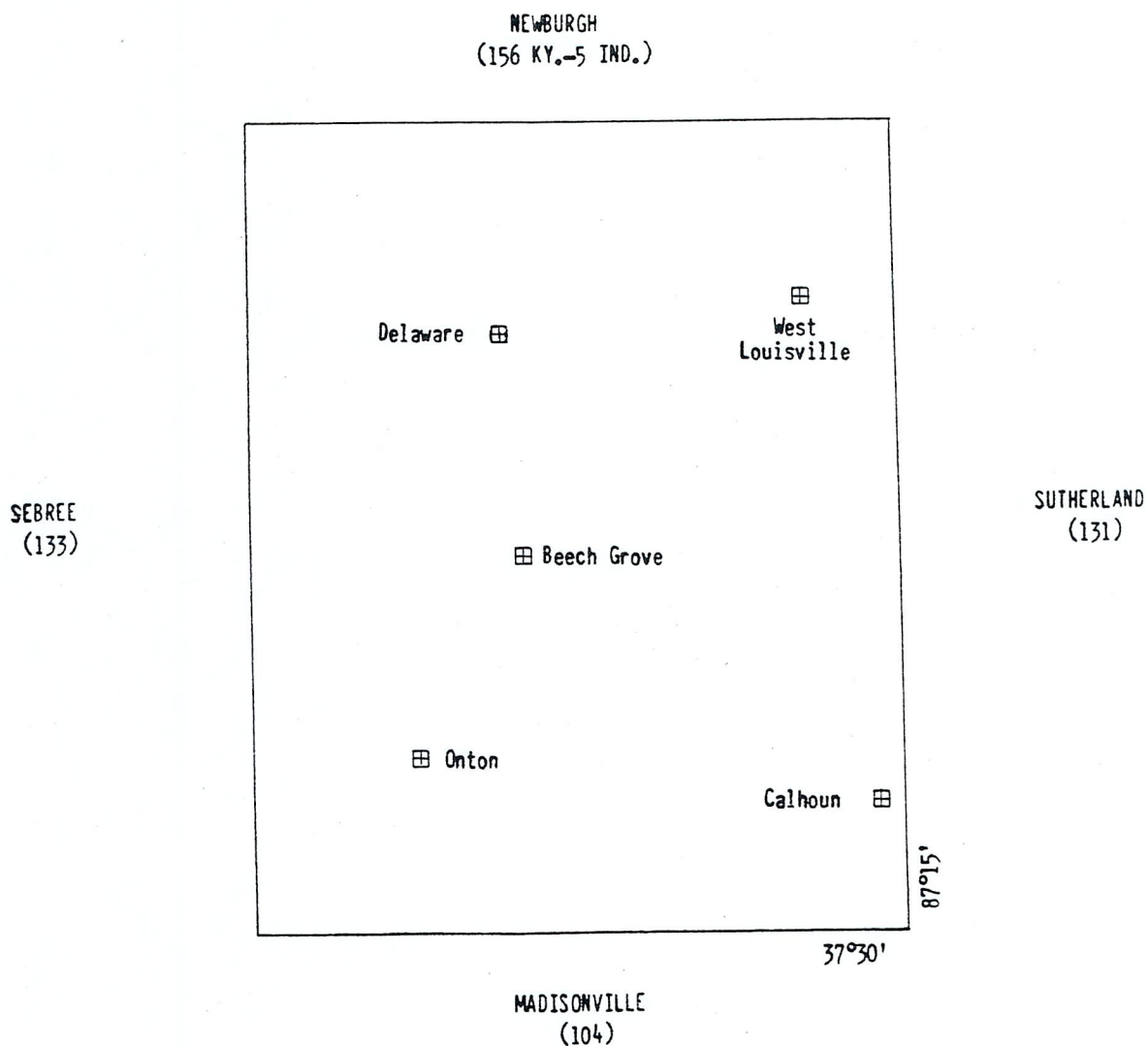
Daviess, Henderson, Hopkins, McLean,  
and Webster Counties

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch

Edition of 10/29/76

PR: CRV/rmm

Plane coordinates are based on Lambert  
projection, Kentucky, South Zone



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132 KENTUCKY  
CALHOUN QUADRANGLE

37-087-13

3

STATION      DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By C. B. Kendall, 1907; Book A924

Rumsey; at NW. corner of public school building; on iron post; standard cap stamped "PRIM TRAV STA NO 9 1907 KY"

X = 1,561,761      Y = 439,289      37 31 48.98      87 15 40.72

By G. B. Grunwell, 1936; Book D1855

Coraville, 2.0 mi SE. of; at place formerly called Euterpe; 387 ft SE. of junction of T-rd. NE.; 19 ft NE. of centerline of rd.; 4 ft SE. of corner of fenceline; in circular concrete post; standard tablet stamped "TT 14 G 1936 454"

X = 1,510,302      Y = 507,216      37 42 51.85      87 26 34.57

By H. P. Finch, 1950; Book AH 202

Slaughters, 2.6 mi N. of station, along Louisville and Nashville Railroad; 9 ft S. and 26 ft E. of grade crossing; 16 ft E. of E. rail; 17 ft S. of centerline of rd.; in concrete post; MGS standard disk stamped "T 41 1934"  
(Not found, 1953)

X = 1,495,066      Y = 439,136      37 31 36.12      87 29 28.51

By A. Salloom, 1950; Book AH 202

Sorgho, 4.6 mi SW. of, along State Highway 54; 20 ft E. of center of rd.; 6 ft S. of wagon rd. to field; 57 ft NE. of center of grass triangle formed by rd. forks; at edge of bank; in concrete post; standard tablet stamped "64 JDN 1950 482"

X = 1,564,428      Y = 506,644      37 42 55.25      87 15 20.94

Panther, 2.3 mi NW. of, along graveled rd., thence 1.0 mi N. along graveled rd.; 74 ft SW. of center of grass triangle formed by rd. forks; 38 ft SW. of corner fencepost; 50 ft SW. of SW. end of pipe culvert; 41 ft S. of 10-in. walnut tree; in concrete post; standard tablet stamped "66 JDN 1950 404"

X = 1,563,818      Y = 486,320      37 39 34.24      87 15 24.49

Panther, 1.9 mi SW. of, along State Highway 54; at crossroads; 63 ft N. and 15 ft E. of center of grassy triangle; 28 ft N. and 80 ft E. of centerline of crossroads; 74 ft SE. of SE. corner of schoolhouse converted into home; 53 ft E. of 42-in. sycamore tree; 11 ft W. of 36-in. sycamore tree; in concrete post; standard tablet stamped "TT 55 AS 1950"

X = 1,565,099      Y = 474,210      37 37 34.73      87 15 06.19

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Guffie; 56 ft N. and 26 ft W. of centerline of crossroads; 75 ft SW. of SW. corner of grocery store; 30 ft E. of power transformer pole; 6 ft W. of edge of ditch; in concrete post; standard tablet stamped "68 JDN 1950 433"

X = 1,564,200	Y = 466,201	37 36 15.41	87 15 15.76
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Guffie, 2.6 mi S. of, along graveled rd.; 67 ft NE. of junction of Y-rd.; 21 ft E. of centerline of rd.; 5 ft E. of edge of shallow ditch; in concrete post; standard tablet stamped "69 JDN 1950 488"

X = 1,562,475	Y = 453,049	37 34 05.12	87 15 34.59
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Calhoun, 1.1 mi N. of courthouse, along State Highway 81; 81 ft N. and 11 ft E. of centerline of hwy. at junction of Y-rd.; 27 ft SW. of center of grassy triangle; 18 ft W. of centerline of hwy.; 4 ft SW. of concrete milepost in S. tip of grassy triangle; in concrete post; standard tablet stamped "TI 56 AS 1950"

X = 1,562,555	Y = 446,932	37 33 04.66	87 15 32.39
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Rumsey; 3 ft S. and 46 ft W. of junction of State Highways 81 and 138; 12 ft NE. of 8-in. cedar tree; in concrete post; standard tablet stamped "TI 57 AS 1950 387"

X = 1,562,485	Y = 438,466	37 31 40.95	87 15 31.56
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Rumsey, 1.7 mi W. of, along State Highway 138; 18 ft N. and 8 ft E. of centerline of hwy. at junction of Y-rd. W.; 20 ft NE. of centerline of hwy.; in concrete post; standard tablet stamped "TI 58 AS 1950 387"

X = 1,554,702	Y = 435,954	37 31 14.88	87 17 07.68
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Rumsey, 3.5 mi W. of, along State Highway 138; 10 ft S. and 23 ft W. of junction of private drives NE. and NW.; 17 ft N. and 31 ft W. of centerline of hwy. at junction of drive NW.; 44 ft WSW. of transformer power pole; in concrete post; standard tablet stamped "TI 59 AS 1950"

X = 1,547,033	Y = 441,027	37 32 03.79	87 18 43.90
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Jewel City; 36 ft S. and 10 ft E. of center of grassy triangle at entrance to ferry; 24 ft E. of centerline of State Highway 138; 26 ft W. of power pole on river bank; 3 ft S. of county line sign; in concrete post; standard tablet stamped "TI 60 AS 1950"

X = 1,534,542	Y = 438,516	37 31 36.90	87 21 18.42
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By H. P. Finch, 1950; Book AH 202

Ashbyburg, 1.3 mi N. of; 0.6 mi NW. of farmhouse of F. D. Quinn and Sons; 12 ft E. of intersection of tangents of rd. (rd. makes sharp turn SE.); 100 ft NE. of large black gum tree; in concrete post; standard tablet stamped "TI 105 HF 1950"

X = 1,530,851	Y = 447,499	37 33 05.08	87 22 06.14
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STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

Onton, 0.8 mi SE. of, along State Highway 370, thence 1.9 mi E. along dirt and graveled rds.; 17 ft S. of center of small bridge; 11 ft N. and 14 ft W. of junction of trail rd. N.; in concrete post; standard tablet stamped "TI 106 HF 1950"

X = 1,521,902 Y = 445,740 37 32 46.16 87 23 56.87

Onton, 2.7 mi NE. of, along State Highway 147, thence 1.0 mi SE. along graveled rd.; at second right-angle turn in rd.; 3 ft S. of powerline pole; in concrete post; standard tablet stamped "TI 107 HF 1950"

X = 1,523,235 Y = 456,764 37 34 35.37 87 23 42.70

Beech Grove, 2.1 mi N. of, along State Highway 56; 870 ft NE. of center of bridge; 34 ft SE. of centerline of State Highway 56; 20 ft S. and 26 ft E. of junction of private rd. E.; in concrete post; standard tablet stamped "TI 108 HF 1950"

X = 1,529,979 Y = 479,033 37 38 16.66 87 22 23.69

Elba, 1.6 mi NW. of, along graveled rd.; 17 ft S. and 20 ft E. of T-rd. NW.; 12 ft SW. of powerline-bracer pole; 3 ft SE. of edge of shallow ditch; in concrete post; standard tablet stamped "108 JDN 1950 415"

X = 1,527,270 Y = 488,592 37 39 50.70 87 22 59.42

Elba, 1.6 mi NW. of, along graveled rd., thence 1.7 mi NW.; at right-angle turn N. in rd.; 28 ft SW. of twin elm trees; in concrete post; standard tablet stamped "TI 109 HF 1950"

X = 1,528,605 Y = 495,387 37 40 58.10 87 22 44.28

St. Joseph, 2.0 mi NW. of, along State Highway 258; 36 ft W. of E. tip of grass triangle formed by rd. forks; 32 ft SW. of highway sign marker; in concrete post; standard tablet stamped "104 JDN 1950 434" (Reported destroyed, 1952)

X = 1,536,114 Y = 501,402 37 41 58.83 87 21 12.15

St. Joseph, 3.8 mi NW. of, thence 0.9 mi NE.; 2.3 mi SW. of Curdsville; 18 ft N. and 40 ft W. of junction of private Y-rd. NW.; 22 ft N. of centerline of main rd.; 53 ft W. of powerline pole; in concrete post; standard tablet stamped "TI 110 HF 1950"

X = 1,532,827 Y = 511,322 37 43 36.34 87 21 55.16